

NOTE: TIE LINE BETWEEN TWO STONEPILES IS S11°43'E, 1382.68'.

NOTE: NO WELLS WITHIN 3000 FEET.

WELL REFERENCES:  
 N01°E, 122' TO 6" SPRUCE  
 S84°W, 136.50' TO 8" SPRUCE

LAND SURVEYING SERVICES  
 21 CEDAR LANE  
 BRIDGEPORT, WV 26330  
 PHONE: 304-842-2018

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 in 2500  
 PROVEN SOURCE OF ELEVATION RD INTER. 3000' NW OF LOCATION ELEV. 2034'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.  
 (SIGNED) \_\_\_\_\_  
 R.P.E. \_\_\_\_\_ L.L.S. 674  
 STEPHEN D. LOSH

PLACE SEAL HERE

STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY  
 OIL AND GAS DIVISION



DATE DECEMBER 13 19 88  
 OPERATOR'S WELL NO. 3597  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS.") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP X SHALLOW \_\_\_  
 LOCATION: ELEVATION 1843' WATERSHED LAUREL RUN OF BIG SANDY CREEK  
 DISTRICT GRANT COUNTY PRESTON  
 QUADRANGLE BRUCETON MILLS 7.5 min.

SURFACE OWNER LINZY M. BURGE ACREAGE 115  
 OIL & GAS ROYALTY OWNER M. THOMAS, UNIT LEASE ACREAGE THOMAS (196) UNIT (250)  
 LEASE NO. DV-19996, DV-17162 (UNIT)

PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION ORISKANY ESTIMATED DEPTH 8020'  
 WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT RODNEY BIGGS  
 ADDRESS ONE PARK RIDGE CENTER ADDRESS RT. 2, BOX 698  
PITTSBURGH, PA 15244 BRIDGEPORT, WV 26330

SEP 1 1989

DEEP WELL

P.T. HALL FORM WW-6

LONGITUDE 79°42'30"

COUNTY NAME

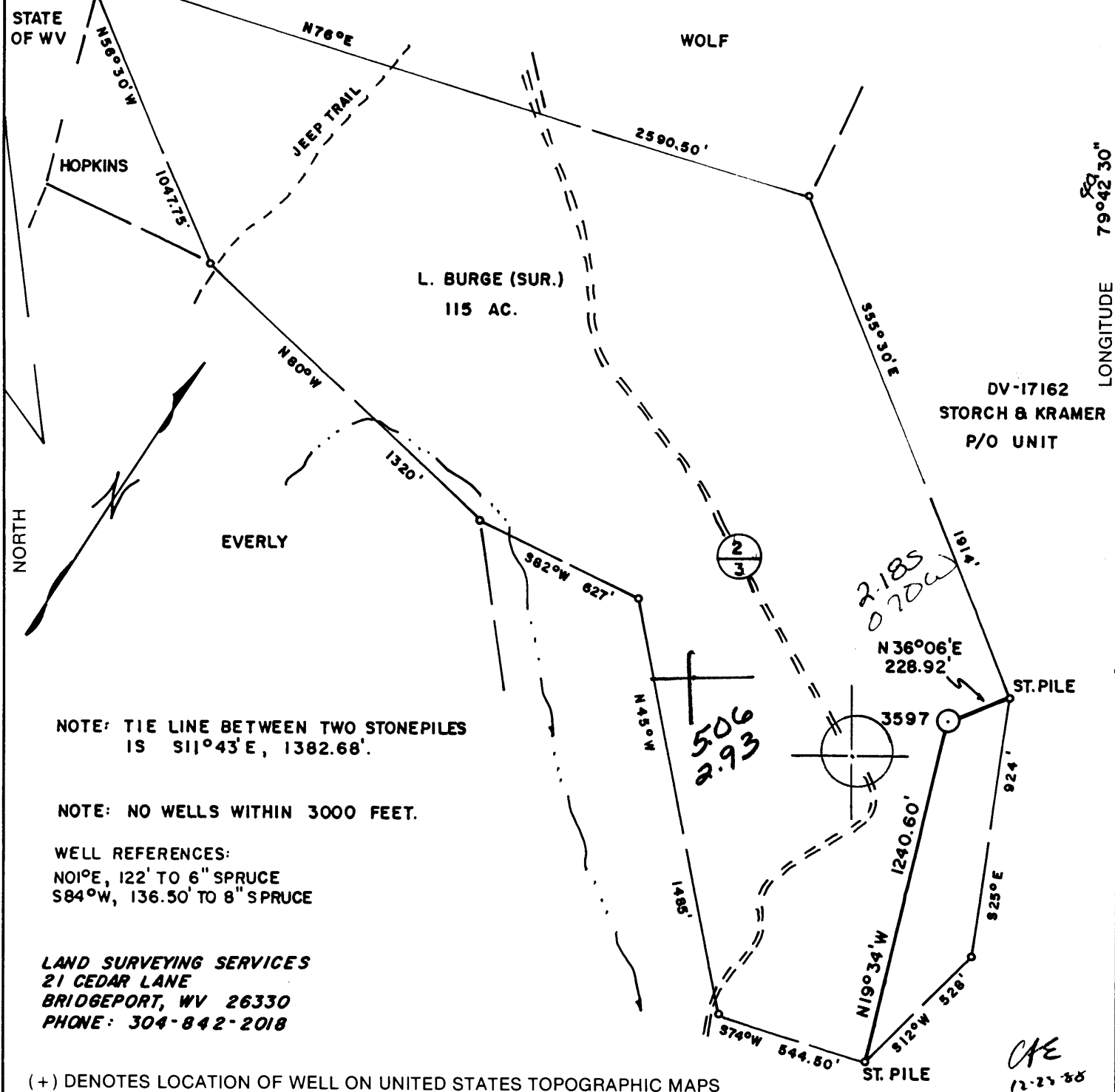
PERMIT

453770'

LATITUDE 39°42'30"

NORTH 57.75'

Janie 1/25/89 BUSH



NOTE: TIE LINE BETWEEN TWO STONEPILES IS S11°43'E, 1382.68'.

NOTE: NO WELLS WITHIN 3000 FEET.

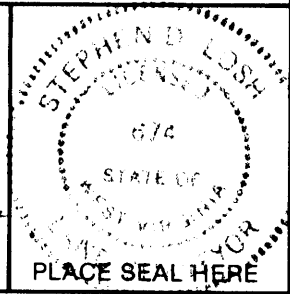
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 (SIGNED) *[Signature]*  
 R.P.E. \_\_\_\_\_ L.L.S. 674  
 STEPHEN D. LOSH



STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY  
 OIL AND GAS DIVISION



DATE DECEMBER 13, 19 88  
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 API WELL NO. \_\_\_\_\_

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 (IF "GAS,") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP X SHALLOW \_\_\_

LOCATION: ELEVATION 1843' WATERSHED LAUREL RUN OF BIG SANDY CREEK  
 DISTRICT GRANT COUNTY PRESTON

QUADRANGLE BRUCETON MILLS 7.5 min. 267 016 1 Brucetonnw  
 SURFACE OWNER LINZY M. BURGE ACREAGE 115  
 OIL & GAS ROYALTY OWNER M. THOMAS, UNIT LEASE ACREAGE THOMAS (196) UNIT (250)  
 LEASE NO. DV-19996, DV-17162 (UNIT)

PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION ORISKANY ESTIMATED DEPTH 8020'  
 WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT RODNEY BIGGS  
 ADDRESS ONE PARK RIDGE CENTER ADDRESS RT. 2, BOX 698  
PITTSBURGH, PA 15244 142 BRIDGEPORT, WV 26330

FEB 3 1989

DEEP well 1-0 unnamed (0)

FORM WW-6

COUNTY NAME PERMIT

State of West Virginia  
DEPARTMENT OF ENERGY  
Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: BURGE, LINZY M. Operator Well No.: CNGD 3597

LOCATION: Elevation: 1843.00 Quadrangle: BRUCETON MILLS

District: GRANT County: PRESTON  
Latitude: 11600 Feet South of 39 Deg. 42Min. 30 Sec.  
Longitude 3770 Feet West of 79 Deg. 42 Min. 30 Sec.

Company: CNG DEVELOPMENT CO., A DE  
P. O. BOX 15746  
PITTSBURGH, PA 15244-0000

Agent: RODNEY J. BIGGS

Inspector: DONALD ELLIS  
Permit Issued: 02/02/89  
Well work Commenced: 04/14/89  
Well work Completed: 05/03/89  
Verbal Plugging  
Permission granted on: 06/22/89  
Rotary  Cable Rig  
Total Depth (feet) 8130  
Fresh water depths (ft) 132', 270'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
13 3/8	162	162	To Surf.
9 5/8	1799	1799	To Surf.
5 1/2	8265	1575	235 sks+

Salt water depths (ft) \_\_\_\_\_

Is coal being mined in area (Y/N)? N  
Coal Depths (ft): \_\_\_\_\_

OPEN FLOW DATA

Producing formation (Plug & Abandon) \_\_\_\_\_ Pay zone depth (ft) 0  
 Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
 Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d  
 Time of open flow between initial and final tests \_\_\_\_\_ Hours  
 Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_  
 Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
 Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d  
 Time of open flow between initial and final tests \_\_\_\_\_ Hours  
 Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Rodney J. Biggs, Manager  
For: CNG DEVELOPMENT CO., A DELAWARE CORP.

By: Rodney J. Biggs  
Date: June 28, 1989

JUL 14 1989

Perforated from 7773 - 7862, 90 shots.

Acidized with 9000 gal acid.

Squeeze Perfs. 7862 - 7550, 35 sks common, 10# Gilsonite/sk, 25# flake.

Set Bridge Plug @ 6711'

Cut 5 1/2" Casing at 6690'

Plug & Abandon as follows:	6678 - 6578	35 sks common cement
	6578 - 4679	6% Gel
	4679 - 4379	100 sks common cement
	4379 - 3033	6% Gel
	3033 - 2883	50 sks common cement
	2883 - 2273	6% Gel
	2273 - 1800	160 sks common cement
	1800 - 0	6% Gel

Installed vented monument

LOG TOPS

Tully Ls	7282	7344
Marcellus Sh	7629	7733
Onondaga Ls	7733	7753
Huntersville Ch	7753	7880
Needmore Sh	7880	7892
Oriskany Ss	7892	7995
Helderberg Ls	7995	
TD		8140

7733  
1843  
        
5890

7892  
1843  
        
6049

7995  
1843  
        
6152

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

- 1) Well Operator: CNG Development Co. 10110, 1, 267
- 2) Operator's Well Number: CNGD 3597 3) Elevation: 1843
- 4) Well type: (a) Oil  / or Gas  /  
(b) If Gas: Production  / Underground Storage  /  
Deep  / Shallow  /
- 5) Proposed Target Formation(s): Oriskany
- 6) Proposed Total Depth: 8020 feet
- 7) Approximate fresh water strata depths: - 118', 164', 201'
- 8) Approximate salt water depths: - 1234'
- 9) Approximate coal seam depths: - 119'-121', 103'-108' 346'-351'
- 10) Does land contain coal seams tributary to active mine? Yes  / No  /
- 11) Proposed Well Work: Drill new well
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor						
Fresh Water	13 3/8	K-55	54.5	160	160	To surface 38CSR-18-11.3
Coal						38CSR-18-11.2.2
Intermediate	9 5/8	K-55	36	1800	1800	To surface 38CSR-18-11.3
Production	5 1/2	M-75	17	8020	8020	250-350 SKS 38CSR-18-11.1
Tubing	2 3/8	J-55	4.7	7900	7900	
Liners						

8259

PACKERS : Kind \_\_\_\_\_  
Sizes \_\_\_\_\_  
Depths set \_\_\_\_\_

RECEIVED  
JAN 12 1989

For Division of Oil and Gas Use Only

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

028155

2 Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP  
 Plat  WW-9  WW-2B  Bond 50 Blanket  Agent  
(Type)

**RECEIVED**  
JAN 12 1989

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

1) Date: January 4, 1989  
2) Operator's well number  
CNGD 3597  
3) API Well No: 47 - 077 - 0247  
State - County - Permit

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
- (a) Name Linzy M. Burge  
Address Box 59  
Kingwood, WV 26537
- (b) Name \_\_\_\_\_  
Address \_\_\_\_\_
- (c) Name \_\_\_\_\_  
Address \_\_\_\_\_
- 6) Inspector Donald Ellis  
Address 2604 Crab Apple Lane  
Fairmont, WV 26554  
Telephone (304)- 534-5596
- 5) (a) Coal Operator:  
Name \_\_\_\_\_  
Address \_\_\_\_\_
- (b) Coal Owner(s) with Declaration  
Name Kermit Mason  
Address Box 433  
Morgantown, WV 26505  
Name Patriot Mining (Ajax Mining Co.)  
Address Rt. 12, Box 245  
Morgantown, WV 26505
- (c) Coal Lessee with Declaration  
Name Patriot Mining (Ajax Mining Co.)  
Address Rt. 12, Box 245  
Morgantown, WV 26505

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

\_\_\_\_\_ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR  
X Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through \_\_\_\_\_ on the above named parties, by:

- \_\_\_\_\_ Personal Service (Affidavit attached)
- X Certified Mail (Postmarked postal receipt attached)
- \_\_\_\_\_ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator CNG Development Company  
By: [Signature]  
Its: Cheryl S. Marcie  
Address One Park Ridge Center, P. O. Box 15746  
Pittsburgh, PA 15244  
Telephone (412) 787-4117

NOTARIAL SEAL  
SHARON L. BROWN, NOTARY PUBLIC  
FINDLAY TOWNSHIP, ALLEGHENY COUNTY  
MY COMMISSION EXPIRES JUNE 18, 1990

Member, Pennsylvania Association of Notaries

Subscribed and sworn before me this 4 day of January, 1989

My commission expires June 18, 1990

[Signature]  
Notary Public

Notary Public

**RECEIVED**  
SEP 22 1989

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
DIVISION OF OIL AND GAS

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVITE SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: BURGE, LINZY M. Operator Well No.: CNGD 3597

LOCATION: Elevation: 1843.00 Quadrangle: BRUCETON MILLS  
District: GRANT County: PRESTON  
Latitude: 11600 Feet South of 39 Deg. 42 Min. 30 Sec.  
Longitude 3770 Feet West of 79 Deg. 42 Min. 30 Sec.

Well Type: OIL \_\_\_\_\_ GAS X

Company: CNG Development Company  
Rt. 2, Box 698  
Bridgeport, WV 26330

Coal Operator Kermit Mason  
or Owner Box 433  
Morgantown, WV 26505

Agent: \_\_\_\_\_  
Inspector: \_\_\_\_\_  
Permit Issued: 08/28/89

Coal Operator Patriot Mining(Ajax Mining)  
or Owner Rt. 12, Box 245  
Morgantown, WV 26505

AFFIDAVIT

STATE OF WEST VIRGINIA,  
County of Preston ss:

\_\_\_\_\_ and Nowasco being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by CNG Development Company, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 20th day of June, 1989, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Set Bridge Plug @ 6711'				
Cut Casing			6690'	1575'
35 sks Cmt. Plug	6678	6578		
6% Gel	6578	4679		
100 sks Cmt. Plug	4679	4379		
6% Gel	4379	3033		
50 sks Cmt. Plug	3033	2883		
6% Gel	2883	2273		
160 sks Cmt. Plug	2273	1800		1799' 9 3/8"
6% Gel	1800	0		162' 13 3/8"

Description of monument: 48" x 8" Cap. Marked with CNGD WN 3597  
Permit No. 47-77-00247-P

and that the work of plugging and filling said well was completed on the 22nd day of June, 1989.

And further deponents saith not.

Nathan Roberts

Sworn and subscribe before me this 18th day of September, 1989  
My commission expires: December 08, 1995

Q. H. Evans

~~XXXXXXXXXXXXXXXXXXXX~~  
COMMISSIONER FOR WEST VIRGINIA

SEP 29 1989